

ABSTRACT OF THE DISCLOSURE

A flash circuit for use in a camera, the flash charging circuit comprising a flash light discharge circuit having a light emitting element electrically connected to a flash capacitor; a flash triggering circuit connected to the flash light discharge circuit with the flash triggering circuit having a trigger signal generating circuit generating a signal that enables energy from the energy storage device to be converted into light by the light emitting element; a voltage conversion circuit connected between a battery and the flash capacitor to convert energy from a source voltage into a higher voltage to charge the flash capacitor; a timer circuit to cause the voltage conversion circuit to operate when the voltage at a timing capacitor is within a range of voltages, said timer circuit having a time constant circuit connected to the timing capacitor to discharge energy stored in the timing capacitor at a predetermined rate; a reset circuit that resets the timing capacitor voltage to a voltage that is within the range.